

Title (en)  
WASHING MACHINE AND WASHING MACHINE CONTROL METHOD

Title (de)  
WASCHMASCHINE UND WASCHMASCHINENSTEUERUNGSVERFAHREN

Title (fr)  
MACHINE À LAVER ET PROCÉDÉ DE COMMANDE DE MACHINE À LAVER

Publication  
**EP 4332290 A1 20240306 (EN)**

Application  
**EP 22883721 A 20220713**

Priority  
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• KR 2022010201 W 20220713

Abstract (en)  
A washing machine, possible to prevent noise that occurs due to a change in a driving mode of a motor and to secure a driving stability of a motor so as to prevent a failure in the motor, includes a drum, a pulsator, a motor including a stator, a first rotor connected to the drum and second rotor connected to the pulsator, an inverter circuit connected to the motor, and at least one processor configured to control the inverter circuit to selectively drive the motor based on a plurality of driving modes, the plurality of driving modes including a first driving mode to rotate only the first rotor, a second driving mode to rotate only the second rotor, or a third driving mode to rotate both the first rotor and the second rotor, control the inverter circuit to stop both the first rotor and the second rotor in response to changing from one of the plurality of driving modes to an other one of the plurality of driving modes, and control the inverter circuit to drive the motor based on the changed driving mode.

IPC 8 full level  
**D06F 33/76** (2020.01); **D06F 34/08** (2020.01); **D06F 34/10** (2020.01); **D06F 37/20** (2006.01); **D06F 37/22** (2006.01); **D06F 37/30** (2020.01); **D06F 37/40** (2006.01); **H02K 5/24** (2006.01); **H02K 16/02** (2006.01); **H02P 27/08** (2006.01)

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Designated extension state (EPC)  
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**US 2023119410 A1 20230420**; EP 4332290 A1 20240306

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